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1968 APR 25 20 13Z

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BT

SECRET CITE NPIC 3576
MISSION GL G-023

25 APR 68

PREFACE

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF
AERIAL PHOTOGRAPHY FROM GLASS LAMP MISSION G-023, 23 APRIL 1968.

((TEXT AS FOLLOWS IDENTICAL TO ABOVE LISTED MISSION))

SECRET

END OF MESSAGE

S/C NOTE: ALSO PASSED **SECRET**

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6	SPAD *	
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1
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25X1

ADVANCE CY
*~~SANITIZED~~
AII WITH TEXT

MISSION GL G-023

2 APR 68

PREFACE

THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF PHOTOGRAPHY FROM GLASS LAMP MISSION G-023, 23 APRIL 1968. THE NUMBER IN THE RIGHT MARGIN OF THE HEADER LINE IS THE COMIREX TARGET NUMBER.

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON PHOTOGRAPHY ARE AS FOLLOWS -- C CLEAR, SC SCATTERED CLOUD COVER, HC HEAVY CLOUD COVER, H HAZE, CS CLOUD SHADOWS, SD SEMIDARKNESS, GC GROUND COVER, CE CAMOUFLAGE, O OBLIQUITY, AND GR GROUND RESOLUTION. INTERPRETABILITY OF THE PHOTOGRAPHY IS CATEGORIZED AS G GOOD, F FAIR, OR P POOR. THE EXTENT OF TARGET COVERAGE IS DENOTED BY THE SYMBOLS T TOTAL OR PT PARTIAL. THE MODE OF COVERAGE IS SIGNIFIED BY ST STEREO, NS NONSTEREO, OR PS PARTIAL STEREO.

NEGATIVE RESPONSES TO SPECIFIC REQUIREMENTS WILL BE ANSWERED FOR THE MOST PART BY NAC AND APPARENT CHANGE AND/OR NOOB AND ORDER OF BATTLE DISCERNIBLE AT THE END OF THE REFERENCE LINE.

SUMMARY

GLASS MISSION G-023, 23 APRIL 1968 PROVIDES POOR TO FAIR PHOTOGRAPHIC COVERAGE OF CENTRAL AND EASTERN CUBA WITH APPROXIMATELY 40 PERCENT CLOUD COVER. OF THE 185 COMIREX TARGETS PRESENTLY LISTED IN CUBA, 65 ARE COVERED ON THIS MISSION. NINETEEN OF THESE ARE IDENTIFIED ONLY AND CANNOT BE INTERPRETED. SEVEN SAM SITES AND ONE SAM ASSEMBLY AREA ARE OBSERVED. THE LAUNCH, CENTRAL GUIDANCE, AND ACQUISITION RADAR REVETMENTS ARE VACATED AT SANTA ISABEL DE LAS LAJAS SAM SITE A35-2. NO SAM TRAINING AREAS OR CRUISE MISSILE SITES ARE OBSERVED. AIR, NAVAL, AND GROUND ACTIVITY APPEAR NORMAL THROUGHOUT THE AREA OF COVERAGE. AN INSTALLATION PREVIOUSLY REPORTED ON [REDACTED] AS MANGUITO SAM SITE IS IDENTIFIED ON THIS MISSION AS AN UNOCCUPIED AAA SITE.

25X1

MISSILES

HOLGUIN AIRFIELD SAM SITE A19-2 CU 204650N 0761950W
[REDACTED] 34-C1

25X1

OB -- 15 MISSILE TRANSPORTERS AND 18 VEHICLES/PIECES OF EQUIPMENT.

25X1

SANTA CLARA SAM SITE A34-2 CU 222905N 0800013W
[REDACTED] 177-Q1

25X1

OB -- 16 EMPLACED LAUNCHERS 02 WITH MISSILES, 9 TRANSPORTERS, A FAN SONG RADAR WITH 4 ASSOCIATED VANS, A POSSIBLE ACQUISITION RADAR, AND 24 VEHICLES/PIECES OF EQUIPMENT.

25X1

SANTA ISABEL DE LAS LAJAS SAM SITE A35-2 CU 222820N 0801847W
[REDACTED] 154-C

25X1

OB -- 15 MISSILE TRANSPORTERS AND 18 VEHICLES/PIECES OF EQUIPMENT. THE LAUNCH, CENTRAL GUIDANCE, AND ACQUISITION RADAR REVETMENTS ARE ALL UNOCCUPIED.

25X1

PALMA SORIANO SAM SITE A02-2 CU 201524N 0755913W
[REDACTED] 54-H

25X1

OB -- 15 EMPLACED LAUNCHERS 04 WITH POSSIBLE MISSILES, 6 MISSILE TRANSPORTERS 01 WITH EXPOSED MISSILES, GUIDANCE AREA OCCUPIED BY A PROBABLE FAN SONG RADAR AND SHED-COVERED EQUIPMENT, AN OCCUPIED ACQUISITION RADAR POSITION, AND 7 UNIDENTIFIED VEHICLES. ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.

25X1

CONSUELA SAM SITE A10-2 CU 221419N 0803030W
[REDACTED] 58-H

25X1

OB -- 15 EMPLACED LAUNCHERS, 18 MISSILE TRANSPORTERS, AN OCCUPIED

CENTRAL GUIDANCE REVEITEMENT, AN OCCUPIED ACQUISITION RADAR
REVEITEMENT, 9 POSSIBLE TRACKED PRIME MOVERS, 20 POSSIBLE ZIL-157V,
AND 10 POSSIBLE MISSILE CANISTER TRANSPORTERS.

25X1

LA VERGUYA SAM ASSEMBLY AREA CU 204945N 0761515W

25X1

34-27

OB -- 3 MISSILE CANISTER TRANSPORTERS, 49 CARGO TRUCKS, 9 SETS OF
BOGIE WHEELS, AND 24 VEHICLES/PIECES OF EQUIPMENT.

25X1

SAN PEDRO DE CACOCUM SAM SITE 106-2 CU 204545N 0761540W

25X1

72-01

OB -- 16 EMPLACED LAUNCHERS 02 WITH MISSILES, 4 MISSILE
TRANSPORTERS WITH EXPOSED MISSILES, 1 MISSILE TRANSPORTER WITH A
CANVAS-COVERED MISSILE, AND 3 VEHICLES/PIECES OF EQUIPMENT.

25X1

LA MAYA SAM SITE A35-2 CU 201409N 0750046W

25X1

63-A

OB -- 16 EMPLACED LAUNCHERS, 10 MISSILE TRANSPORTERS, A PROBABLE FAN
SONG RADAR WITH 5 VAN TRAILERS, A PROBABLE ACQUISITION RADAR WITH
ASSOCIATED GENERATOR VAN, AND 3 ADDITIONAL VAN TRAILERS.
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1

AIR FACILITIES

CAMILO CIENFUEGOS AIRFIELD CU 222931N 0795631W

25X1

177-0

OB -- 121 FAGOT/ERESCO AND 1 HOUND.

25X1

CAMAGUEY INTERNATIONAL AIRFIELD CU 212511N 0775054W

25X1

27

OB -- 12 CRATE AND 11 PROBABLE COLT.

25X1

HOLGUIN AIRFIELD CU 204707N 0761854W

25X1

34-C

OB -- 13 FISHBED, 12 FAGOT/ERESCO, 2 MORAVA L-200, AND 1 HOUND.

25X1

LOS CANOS AIRFIELD CU 200505N 0750031W

25X1

JAIME GONZALES AIRFIELD CU 220926N 0802444W

25X1

51-C

25X1

BAYAMO AIRFIELD EAST CU 202255N 0763701W

25X1

NAC NOOB

BAYAMO AIRFIELD CU 202348N 0763717W

25X1

11

OB -- 19 COLT AND 1 HOUND.

25X1

NAC

NAVAL ACTIVITY/PORTS

CIENFUEGOS PORT A NAVAL FACILITIES CU 220825N 0802720W

25X1

51-A

OB -- 1 PROBABLE KRONSTADT AND 5 POSSIBLE P-6 PT.
OTHER VESSELS -- 5 LARGE FREIGHTERS AND 2 TANKERS.

25X1

MANZANILLO PORT CU 202108N 0770707W

25X1

113-B

VESSELS -- 3 LARGE FREIGHTERS.

25X1

LA VERGUYA SAM ASSEMBLY AREA CU 204945N 0761515W

VESSLS -- 1 FREIGHTER AND 1 TANKER.

CAIBARIEN PORT CU 225139N 0792818W

26-A

VESSLS -- NONE OBSERVED.

CALOATE PORT CU 230254N 0811143W

1-C

VESSLS -- LARGE FREIGHTER.

CASIMIRO PORT FACILITIES CU 214522N 0795930W

34-A

VESSLS -- 1 FREIGHTER.

ELECTRONICS/COMMUNICATIONS

SANTA CLARA AW RADAR FACILITY, CU 223016N 0795650W

177-E

OB -- 11 TOKEN RADAR AND 3 ASSOCIATED VANS.

HOLGUIN AW RADAR FACILITY CU 204822N 0761756W

PUNTAMAESTRO LOW SIEVE RADAR FACILITY, CU 201417N 0740925W

44-B

OB -- 11 PROBABLE LOW SIEVE RADAR.

CARDENAS RADAR FAC HICACOS PENINSULA CU 231147N 0810825W

CIENFUEGOS RADAR FACILITY NO 2 CU 220226N 0802523W

PAINSERA RDR FACILITY PUNTA DE MULAS, CU 2101//N 07535//W

367

OB -- 11 PROBABLE LOW SIEVE RADAR.

SAN MIGUEL AW RADAR FACILITY CU 222939N 0795350W

177-E1

OB -- 3 VANS.

HOLGUIN AIRFIELD RADAR FACILITY SW CU 204502N 0762120W

0585 34-D2

OB -- 15 VEHICLES/PIECES OF EQUIPMENT.

MILITARY ACTIVITY

ALTO CEDRO MILITARY CAMP CU 202950N 0760021W

70-E

OB -- AREA -- 1 -- 10 FA/AAA/MORTARS, 19 BTR-60P, AND AT LEAST 18 CARGO TRUCKS.

AREA 1 -- 16 FA PIECES, 2 MORTAR, AND 22 CARGO TRUCKS.

AREA 2 -- 16 FA PIECES, 7 AAA PIECES/MORTARS, AND 22 CARGO TRUCKS.

AREA 3 -- 17 TANKS/ASSAULT GUNS, 2 PROBABLE TANKS/ASSAULT GUNS, 28 PROBABLE CARGO TRUCKS, AND 18 OTHER VEHICLES/PIECES OF EQUIPMENT.

AREA 4 -- 16 BTR-60P, 12 CARGO TRUCKS, AND AT LEAST 20 OTHER VEHICLES/PIECES OF EQUIPMENT.

AREA 5 -- 4 MORTARS AND 27 CARGO TRUCKS.

AREA 7 -- 18 BTR-152 AND 2 PROBABLE CARGO TRUCKS.

DOS CAMINOS MILITARY CAMP CU 201428N 0754714W

317-A

OB -- AT LEAST 60 VEHICLES AND AT LEAST 50 PIECES OF EQUIPMENT.

CU 2018//N 07525//W

7

6

5

4

3

2